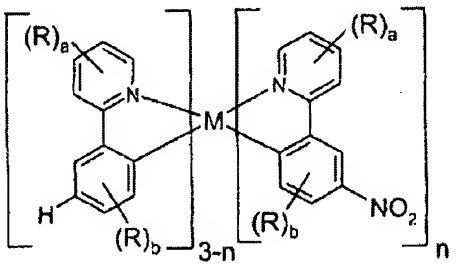
Amendments to the Claims

Please cancel Claims 18-43. Please add new Claims 44-50. The Claim Listing below will replace all prior versions of the claims in the application:

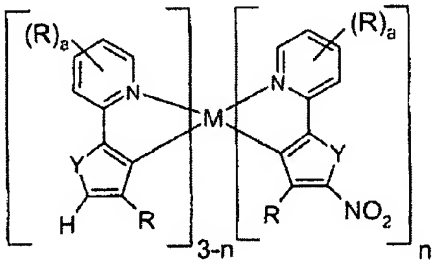
Claim Listing

1-43. (Cancelled)

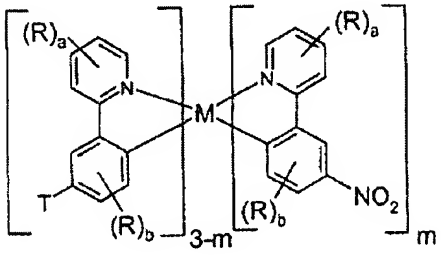
44. (New) Process for the preparation of the compounds of the formulae (1) to (32) and (1a) to (8a):



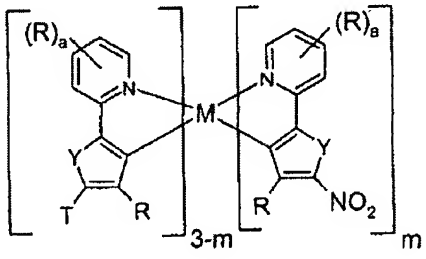
Compounds (1)



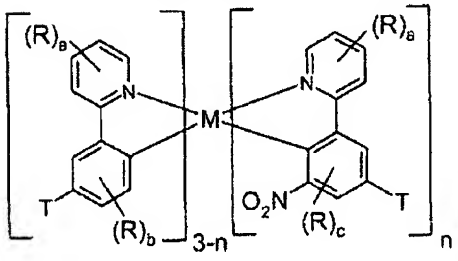
Compounds (2)



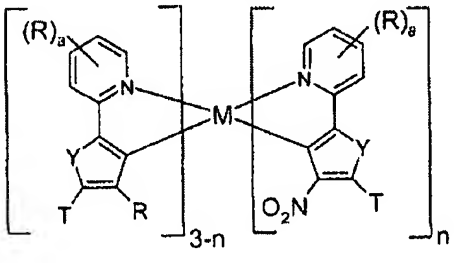
Compounds (3)



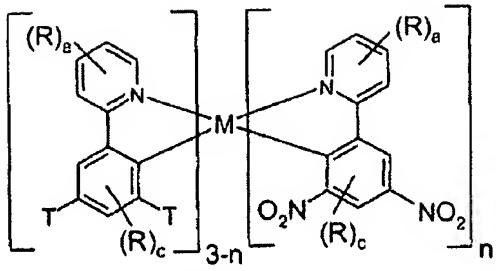
Compounds (4)



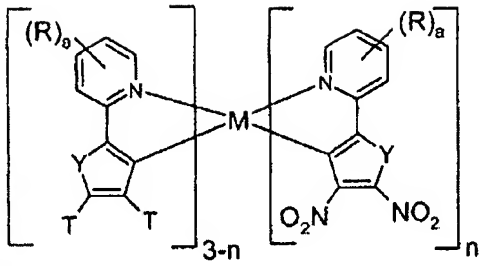
Compounds (5)



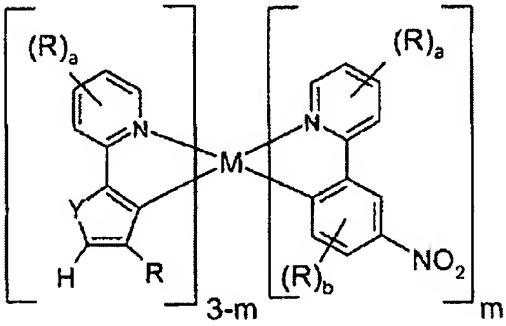
Compounds (6)



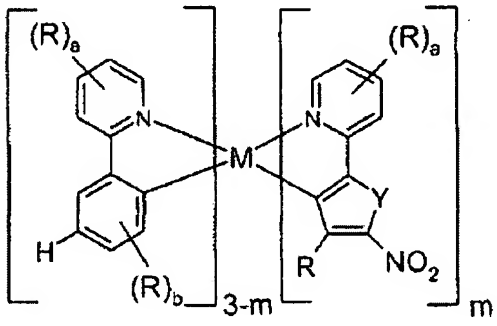
Compounds (7)



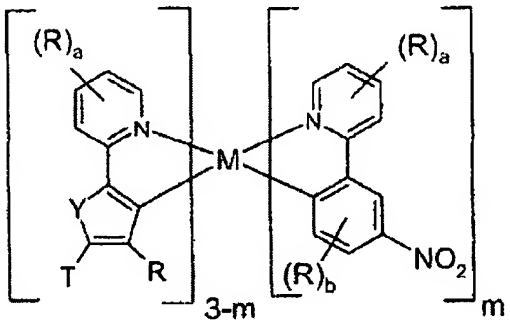
Compounds (8)



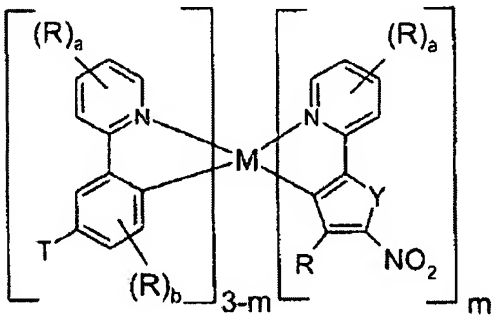
Compounds (1a)



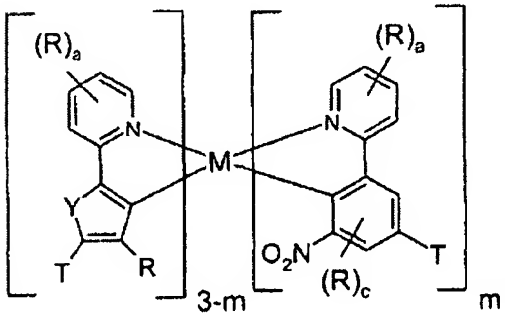
Compounds (2a)



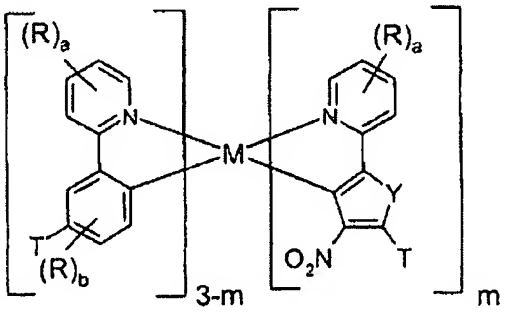
Compounds (3a)



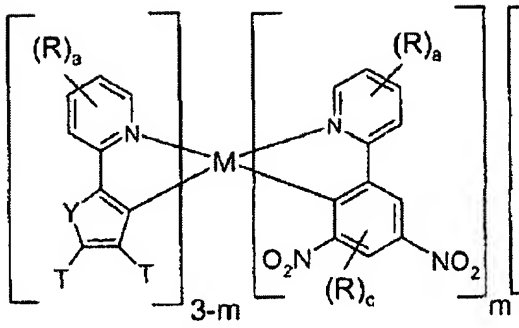
Compounds (4a)



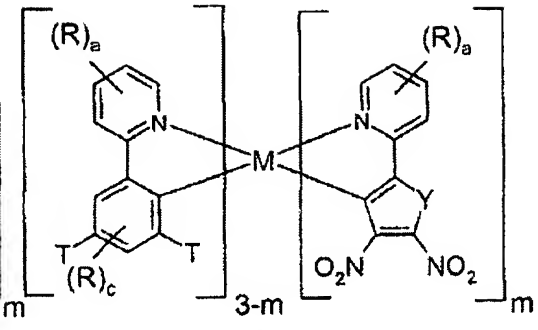
Compounds (5a)



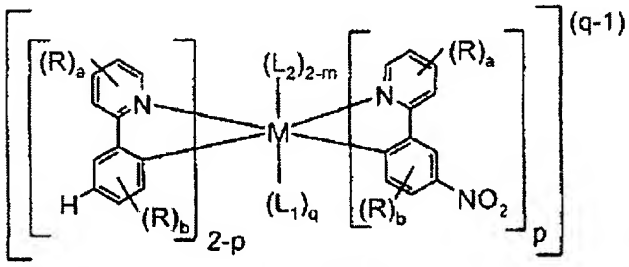
Compounds (6a)



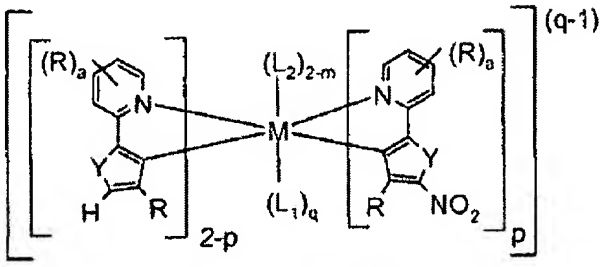
Compounds (7a)



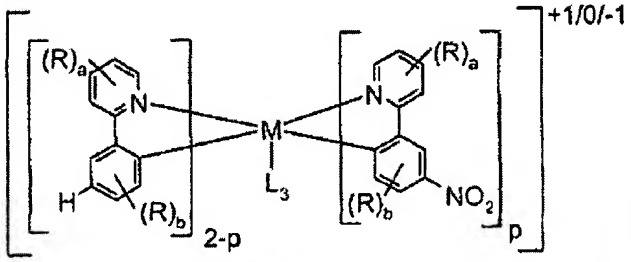
Compounds (8a)



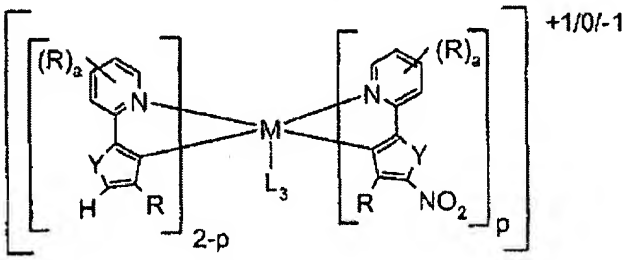
Compounds (17)



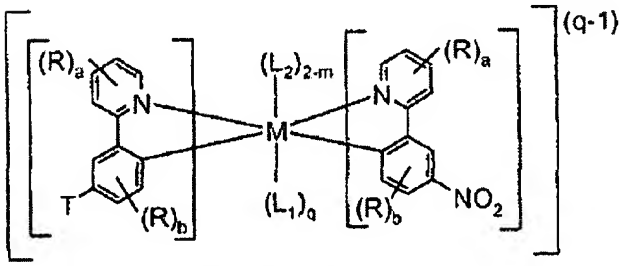
Compounds (18)



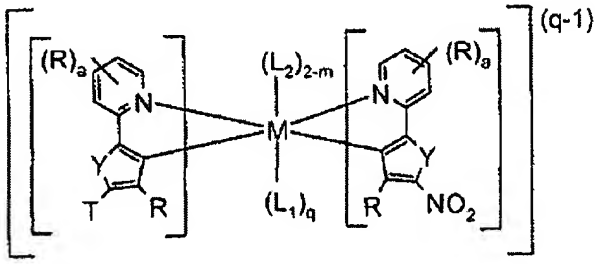
Compounds (19)



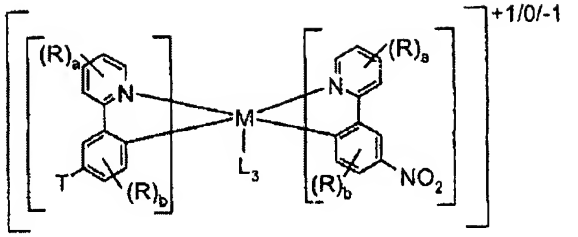
Compounds (20)



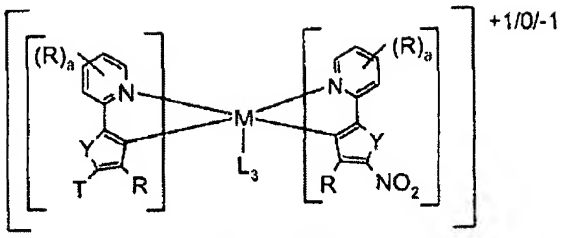
Compounds (21)



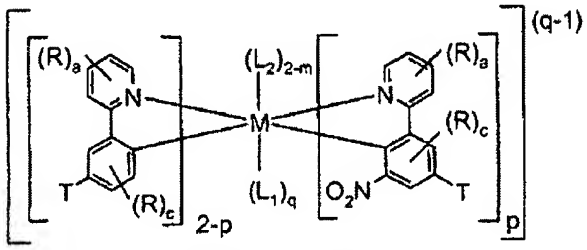
Compounds (22)



Compounds (23)



Compounds (24)



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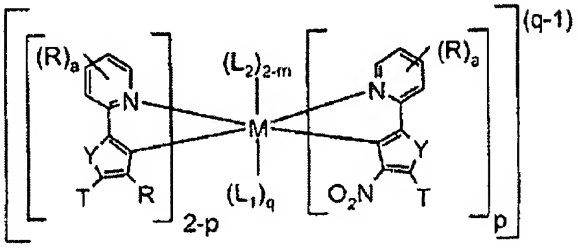
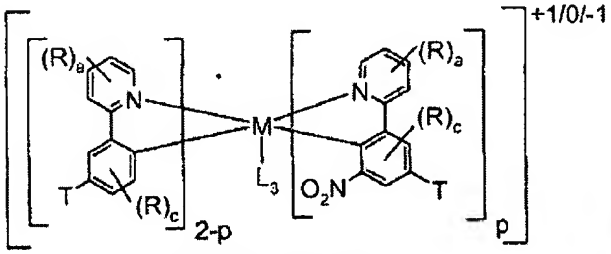
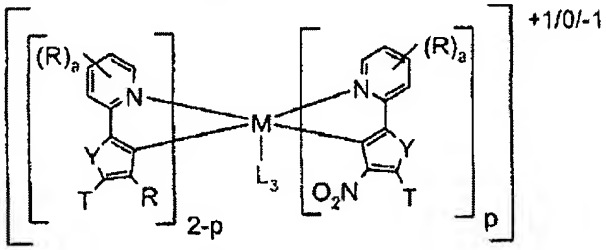


Compounds (26)



Compounds (27)



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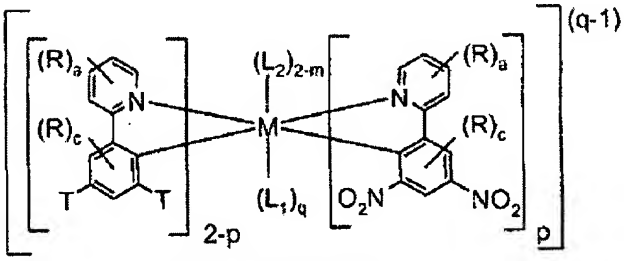
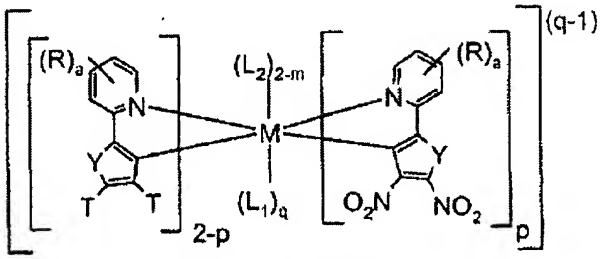
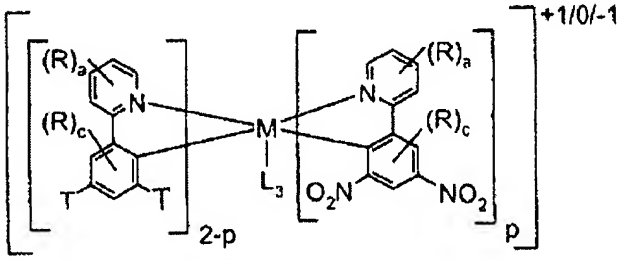


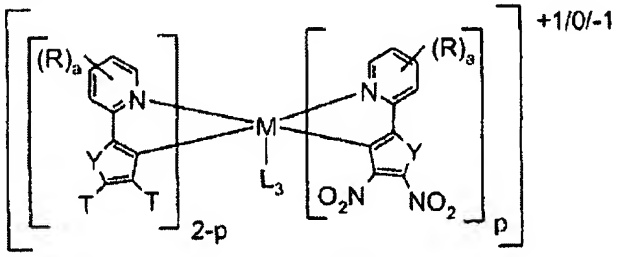
Compounds (29)



Compounds (30)



Compounds (31)



Compounds (32)

where the symbols and indices have the following meaning:

M denotes Rh, Ir;

Y denotes O, S, Se, NR^1;

Z is equal to F, Cl, Br, I, O-R^1, S-R^1, $N(R^1)_2$;

R is, identically or differently on each occurrence, H, F, Cl, Br, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having 1 to 20 C atoms, where one or more non-adjacent CH_2 groups may be replaced by -O-, SiR^1_2-, -S-, -NR^1- or -$CONR^1$- and where one or more H atoms may be replaced by F, or an aryl or heteroaryl group having 4 to 14 C atoms, which may be substituted by one or more non-aromatic radicals R, where a plurality of substituents R, both on the same ring and also on the two different rings, may together in turn define a further aliphatic or aromatic, mono- or polycyclic ring system;

T is, identically or differently on each occurrence, F, Cl, Br, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having 1 to 20 C atoms, where one or more non-adjacent CH_2 groups may be replaced by -O- , -SiR^1_2-, -S-, -NR^1- or -$CONR^1$- and where one or more H atoms may be replaced by F, or an aryl or heteroaryl group having 4 to 14 C atoms, which may be substituted by one or more non-aromatic radicals R, where a plurality of substituents R, both on the same ring and also on the two different rings, may together in turn define a further aliphatic or aromatic, mono- or polycyclic ring system;

R^1 is, identically or differently on each occurrence, H or an aliphatic or aromatic hydrocarbon radical having 1 to 20 C atoms;

L^1 is a neutral, monodentate ligand;

L^2 is a monoanionic, monodentate ligand;

L^3 is a neutral or mono- or dianionic bidentate ligand;

a is 0, 1, 2, 3 or 4;

b is 0, 1, 2 or 3;

c is 0, 1 or 2;

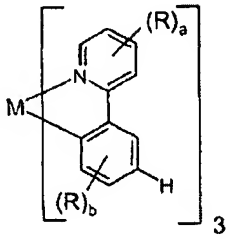
m is 1 or 2;

n is 1, 2 or 3;

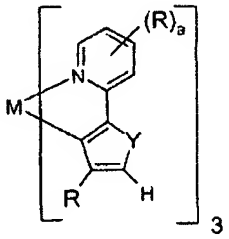
p is 1 or 2;

q is 0, 1 or 2;

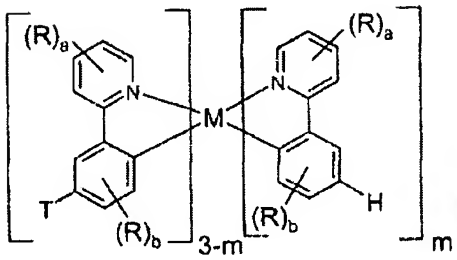
by reaction of compounds (33) to (64) with a nitrating agent:



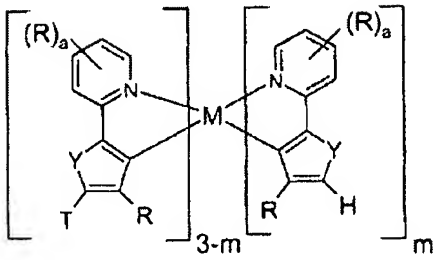
Compounds (33)



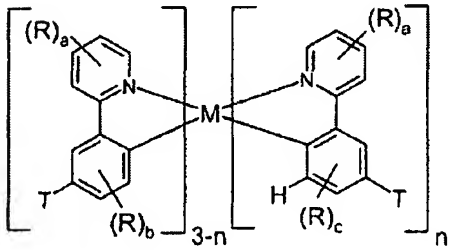
Compounds (34)



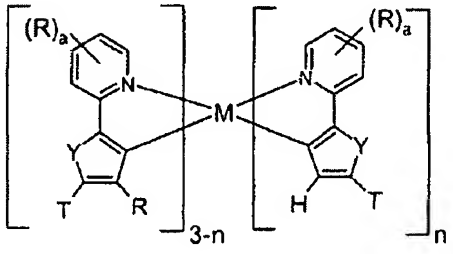
Compounds (35)



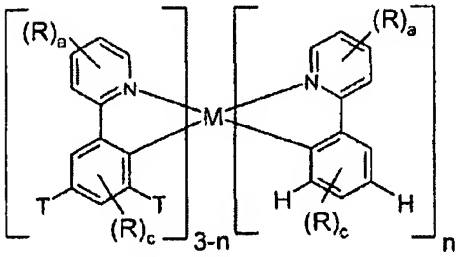
Compounds (36)



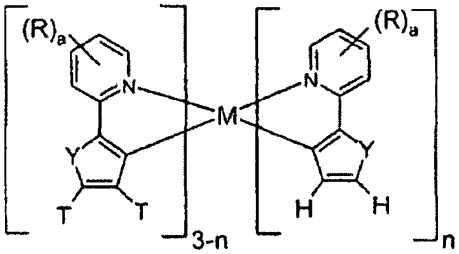
Compounds (37)



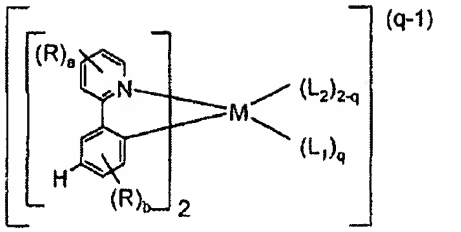
Compounds (38)



Compounds (39)

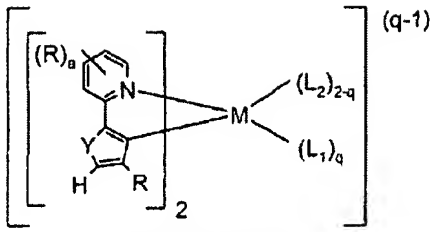


Compounds (40)



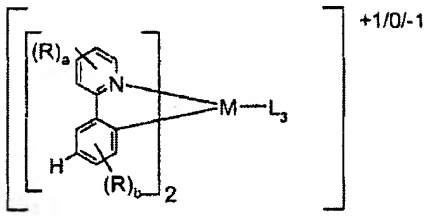
(q-1)

Compounds (49)



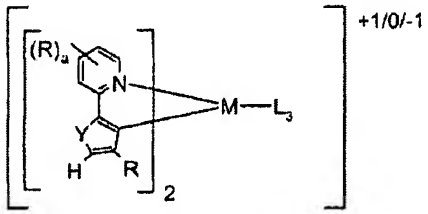
(q-1)

Compounds (50)



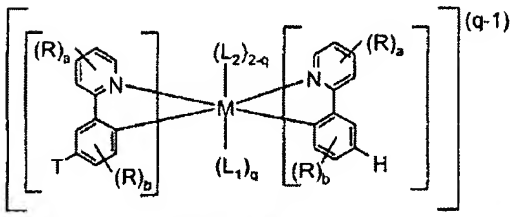
+1/0/-1

Compounds (51)



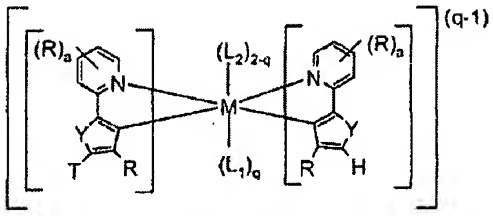
+1/0/-1

Compounds (52)



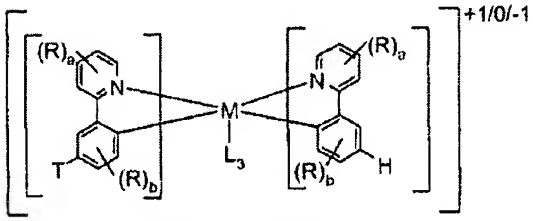
(q-1)

Compounds (53)



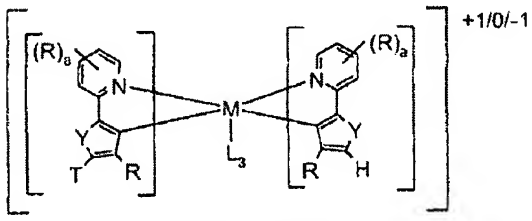
(q-1)

Compounds (54)



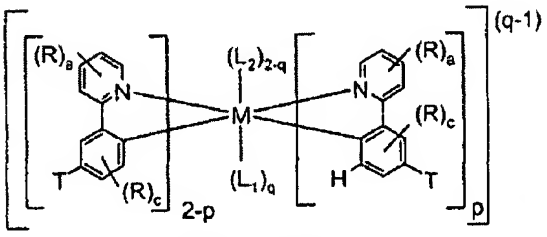
+1/0/-1

Compounds (55)



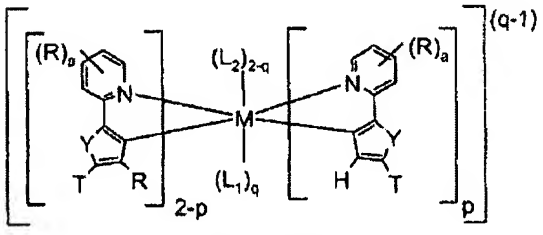
+1/0/-1

Compounds (56)



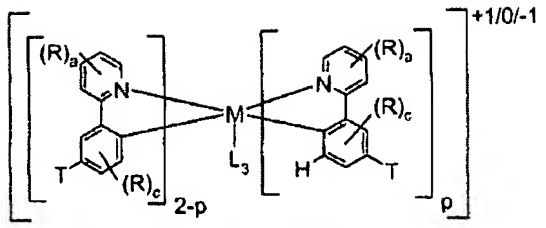
(q-1)

Compounds (57)

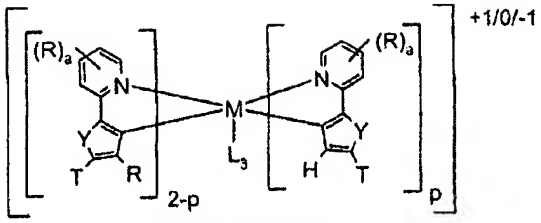


(q-1)

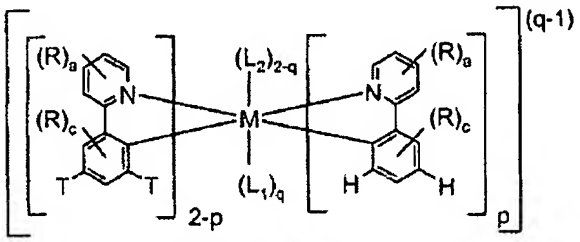
Compounds (58)



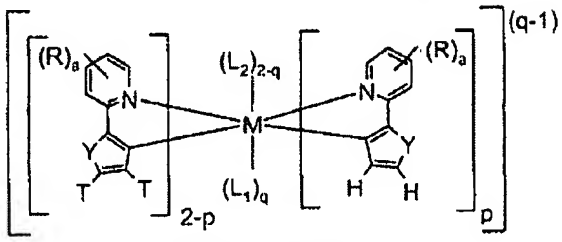
Compounds (59)



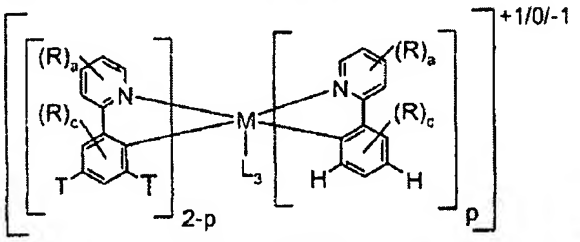
Compounds (60)



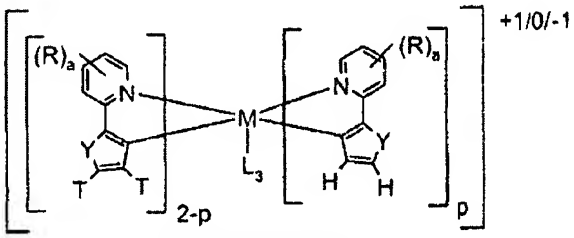
Compounds (61)



Compounds (62)



Compounds (63)



Compounds (64)

45. (New) The process of Claim 44, wherein the nitrating agent is nitric acid, optionally in combination with sulfuric acid or phosphoric acid.

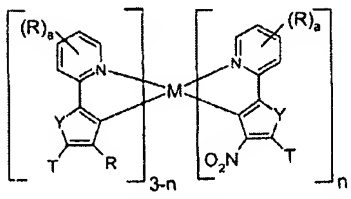
46. (New) The process of Claim 44, wherein the nitrating agent is dinitrogen tetroxide or dinitrogen pentoxide.

47. (New) The process of Claim 44, wherein the nitrating agent is nitronium salts of the NO_2A type, where A is an inert anion.

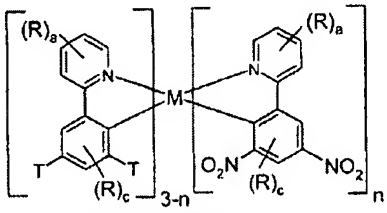
48. (New) The process of Claim 44, wherein the nitrating agent used is alkali or alkaline earth metal nitrates, such as lithium, sodium, potassium or magnesium nitrate, or transition-metal nitrates, such as iron(II), iron(III), cobalt(II), cobalt(III), nickel(II) or copper(II) nitrate, optionally in the presence of an acid, such as sulfuric acid, phosphoric

acid, acetic acid, propionic acid or trifluoroacetic acid, and/or of a carboxylic anhydride, such as acetic anhydride or propionic anhydride, or mixtures thereof.

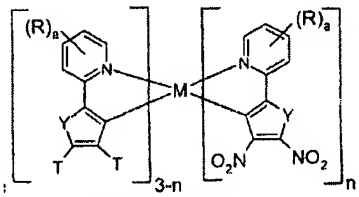
49. (New) Compound of the formulae (6), (7), (8), (5a), (6a), (7a), (8a), (25), (26), (27), (28), (29), (30), (31) and (32):



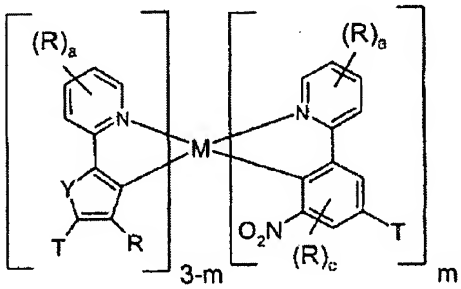
Compounds (6)



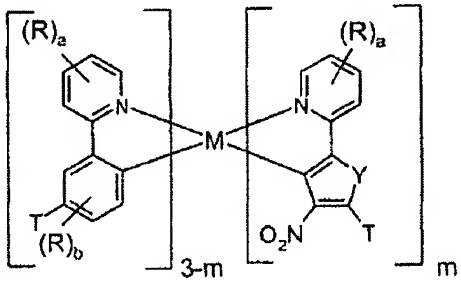
Compounds (7)



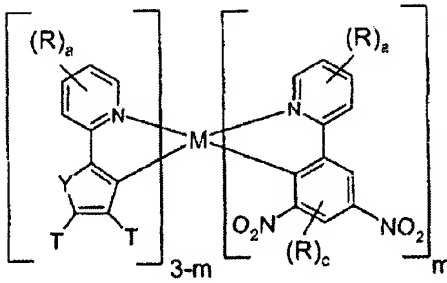
Compounds (8)



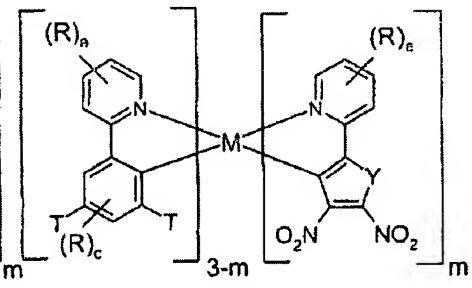
Compounds (5a)



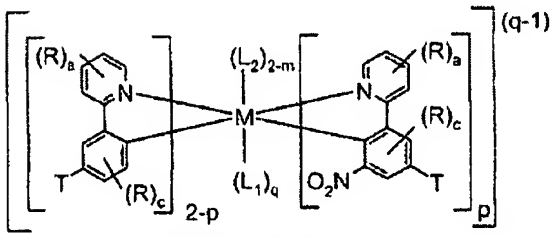
Compounds (6a)



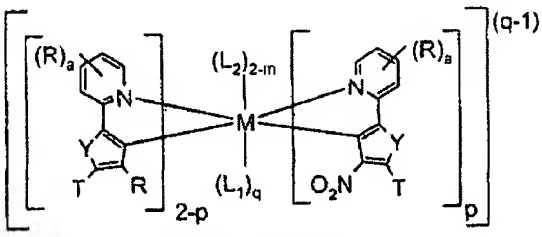
Compounds (7a)



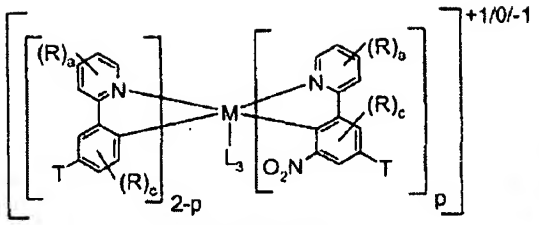
Compounds (8a)



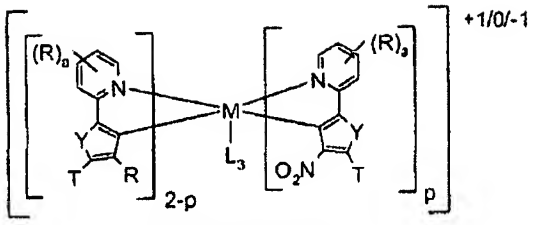
Compounds (25)



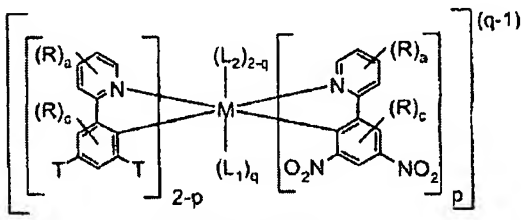
Compounds (26)



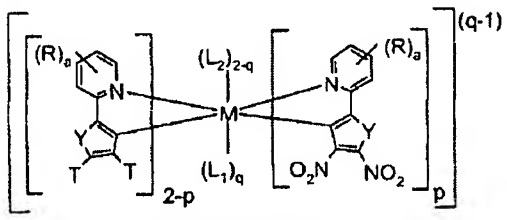
Compounds (27)



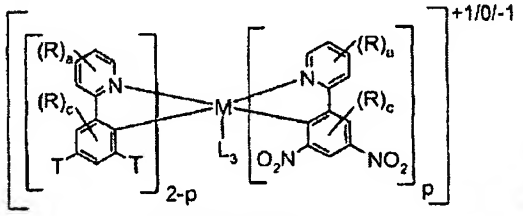
Compounds (28)



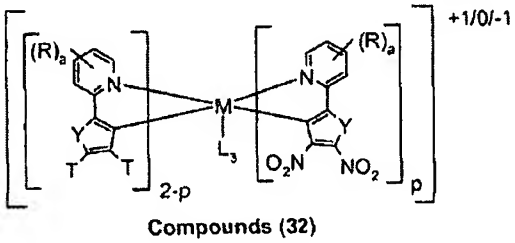
Compounds (29)



Compounds (30)



Compounds (31)



Compounds (32)

wherein:

M denotes Rh, Ir;

Y denotes O, S, Se, NR^1;

Z is equal to F, Cl, Br, I, O-R^1, S-R^1, $N(R^1)_2$;

R is, identically or differently on each occurrence, H, F, Cl, Br, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having 1 to 20 C atoms, where one or more non-adjacent CH_2 groups may be replaced by -O-, SiR^1_2-, -S-, -NR^1- or -$CONR^1$- and where one or more H atoms may be replaced by F, or an aryl or heteroaryl group having 4 to 14 C atoms, which may be substituted by one or more non-aromatic radicals R, where a plurality of substituents R, both on the same ring and also on the two different rings, may together in turn define a further aliphatic or aromatic, mono- or polycyclic ring system;

T is, identically or differently on each occurrence, F, Cl, Br, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having 1 to 20 C atoms, where one or more non-adjacent CH_2 groups may be replaced by -O- , -SiR^1_2-, -S-, -NR^1- or -$CONR^1$- and where one or more H atoms may be replaced by F, or an aryl or

heteroaryl group having 4 to 14 C atoms, which may be substituted by one or more non-aromatic radicals R, where a plurality of substituents R, both on the same ring and also on the two different rings, may together in turn define a further aliphatic or aromatic, mono- or polycyclic ring system;

R^1 is, identically or differently on each occurrence, H or an aliphatic or aromatic hydrocarbon radical having 1 to 20 C atoms;

L^1 is a neutral, monodentate ligand;

L^2 is a monoanionic, monodentate ligand;

L^3 is a neutral or mono- or dianionic bidentate ligand;

a is 0, 1, 2, 3 or 4;

b is 0, 1, 2 or 3;

c is 0, 1 or 2;

m is 1 or 2;

n is 1, 2 or 3;

p is 1 or 2; and

q is 0, 1 or 2.

50. (New) Compounds according to Claim 49, wherein purity (determined by means of 1H-NMR or HPLC) is greater than 99%.